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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODIFIED BYRODIN 1 WITH REDUCED IMMUNOGENICITY

(57) Abstract: The invention relates to the modification of bryodin 1 to result in bryodin 1 proteins that are substantially nonimmunogenic or less immunogenic than any non-modified counterpart when used in vivo. The invention relates furthermore to T-cell epitope peptides derived from said nonmodified protein by means of which it is possible to create modified bryodin 1 variants with reduced immunogenicity.



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K47/48

According to international Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{IPC 7} & \text{A61K} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBL, WPI Data

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X	WO 00 34317 A (ADAIR FIONA SUZANNE ;CARR FRANCIS JOSEPH (GB); HAMILTON ANITA ANNE) 15 June 2000 (2000-06-15) cited in the application the whole document See especially Example 4 and Figure 10	1-16
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
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Date of the actual completion of the international search 6 October 2003	Date of mailing of the International search report 23/10/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Turri, M



	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
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	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	 Ta.::::::::::::::::::::::::::::::::::::
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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International Application No. PCT/EP 03 \(06055 \)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claim : 14 and 15

A peptide part of Bryodin 1 comprising one or more T-cell epitopes.



Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of Ilrst sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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